Volume 53, Number 1, January 1, 2003

EDITORIAL

1 **New Initiatives in *Biological Psychiatry***
Dennis S. Charney, Robert B. Innis, and Eric J. Nestler

NEUROSCIENCE PERSPECTIVES

3 **Chaos and Schizophrenia: Does the Method Fit the Madness?**
Martin P. Paulus and David L. Braff

ORIGINAL ARTICLES

12 **Prefrontal–Posterior Parietal Networks in Schizophrenia: Primary Dysfunctions and Secondary Compensations**
Javier Quintana, Tiffany Wong, Elena Ortiz-Portillo, Edward Kovalik, Tom Davidson, Stephen R. Marder, and John C. Mazziotta

25 **Prefrontal Cortex Dysfunction Mediates Deficits in Working Memory and Prepotent Responding in Schizophrenia**
William M. Perlstein, Neha K. Dixit, Cameron S. Carter, Douglas C. Noll, and Jonathan D. Cohen

39 **mRNA Expression Patterns and Distribution of White Matter Neurons in Dorsolateral Prefrontal Cortex of Depressed Patients Differ from Those in Schizophrenia Patients**
Margherita Molnar, Steven G. Potkin, William E. Bunney, Jr., and Edward G. Jones

48 **Impaired Hippocampal Recruitment during Normal Modulation of Memory Performance in Schizophrenia**
Anthony P. Weiss, Daniel L. Schacter, Donald C. Goff, Scott L. Rauch, Nathaniel M. Alpert, Alan J. Fischman, and Stephan Heckers

56 **Essential Polyunsaturated Fatty Acid and Lipid Peroxide Levels in Never-Medicated and Medicated Schizophrenia Patients**
Meena Arvindakshan, Sandhya Sitasawad, Vijay Debsikdar, Madhav Ghate, Denise Evans, David F. Horrobin, Crispin Bennett, Prabhakar K. Ranjekar, and Sahebarao P. Mahadik

65 **Decision Making by Methamphetamine-Dependent Subjects Is Associated with Error-Rate-Independent Decrease in Prefrontal and Parietal Activation**
Martin P. Paulus, Nikki Hozack, Lawrence Frank, Gregory G. Brown, and Marc A. Schuckit

75 **Hypothalamic-Pituitary-Adrenal System Adaptation to Detoxification in Alcohol-Dependent Patients Is Affected by Family History of Alcoholism**
Ulrich Zimmermann, Wolfgang Hundt, Konstanze Spring, Andreas Grabner, and Florian Holsboer

85 **The A9 Allele of the Dopamine Transporter Gene Is Associated with Delirium Tremens and Alcohol-Withdrawal Seizure**
Philip Gorwood, Frédéric Limosin, Philippe Batel, Michel Hamon, Jean Adès, and Claudette Boni

93 **Revisiting the Association between Attention-Deficit/Hyperactivity Disorder and Anxiety Disorders: A Familial Risk Analysis**
Ellen B. Braaten, Joseph Biederman, Michael C. Monuteaux, Eric Mick, Eliza Calhoun, Gershon Cattan, and Stephen V. Faraone

100 **Cerebral Blood Volume and Clinical Changes on the Third Day of Placebo Substitution for SSRI Treatment**
Michael E. Henry, Marc J. Kaufman, John Hennen, David Michelson, Mark E. Schmidt, Eve Stoddard, Alexander J. Vukovic, Paul J. Barreira, Bruce M. Cohen, and Perry F. Renshaw

ABSTRACTS ON THE INTERNET

106 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry,* are available on our website now . . .**

Volume 53, Number 2, January 15, 2003

ORIGINAL ARTICLES

107 **Abnormal Prefrontal Cortex Function during Response Inhibition in Turner Syndrome: Functional Magnetic Resonance Imaging Evidence**
Leanne Tamm, Vinod Menon, and Allan L. Reiss

112 **Atomoxetine in Adults with ADHD: Two Randomized, Placebo-Controlled Studies**
David Michelson, Lenard Adler, Thomas Spencer, Frederick W. Reimherr, Scott A. West, Albert J. Allen, Douglas Kelsey, Joachim Wernicke, Anthony Dietrich, and Denái Milton

121 **Reduced Thalamic Volume in High-Functioning Individuals with Autism**
Katherine D. Tsatsanis, Byron P. Rourke, Ami Klin, Fred R. Volkmar, Domenic Cicchetti, and Robert T. Schultz

130 **Maternal Smoking during Pregnancy and Risk to Boys' Conduct Disturbance: An Examination of the Causal Hypothesis**
Judy L. Silberg, Teresa Parr, Michael C. Neale, Michael Rutter, Adrian Angold, and Lindon J. Eaves

136 **A Preliminary Placebo-Controlled Trial of Selegiline Hydrochloride for Smoking Cessation**
Tony P. George, Jennifer C. Vessicchio, Angelo Termine, Peter I. Jatlow, Thomas R. Kosten, and Stephanie S. O'Malley

144 **Smaller Orbital Frontal Cortex Volumes Associated with Functional Disability in Depressed Elders**
Warren D. Taylor, David C. Steffens, Douglas R. McQuoid, Martha E. Payne, Shwu-Hua Lee, Te-Jen Lai, and K. Ranga Rama Krishnan

150 **Regional Cerebral Blood Flow in Depressed Patients with White Matter Magnetic Resonance Hyperintensity**
Kenji Oda, Yoshiro Okubo, Ryuji Ishida, Yuji Murata, Katsuya Ohta, Tetsuya Matsuda, Eisuke Matsushima, Tetsuya Ichimiya, Tetsuya Suhara, Hitoshi Shibuya, and Toru Nishikawa

157 **High Numbers of Circulating Activated T Cells and Raised Levels of Serum IL-2 Receptor in Bipolar Disorder**
M. Nadine Breunis, Ralph W. Kupka, Willem A. Nolen, Trisha Suppes, Kirk D. Denicoff, Gabriele S. Leverich, Robert M. Post, and Hemmo A. Drexhage

166 **Norepinephrine-Gamma-Aminobutyric Acid (GABA) Interaction in Limbic Stress Circuits: Effects of Reboxetine on GABAergic Neurons**
James P. Herman, Andrew Renda, and Bryan Bodie

TECHNIQUES AND METHODS

175 **Changing Cortical Excitability with Low-Frequency Transcranial Magnetic Stimulation Can Induce Sustained Disruption of Tactile Perception**
Stefan Knecht, Tanja Ellger, Caterina Breitenstein, Erich Bernd Ringelstein, and Henning Henningsen

BRIEF REPORTS

180 **Low CSF Somatostatin Associated with Response to Nimodipine in Patients with Affective Illness**
Mark A. Frye, Peggy J. Pazzaglia, Mark S. George, David A. Luckenbaugh, Elizabeth Vanderham, Candace L. Davis, David R. Rubinow, and Robert M. Post

184 **Proton Spectroscopy in Medication-Free Pediatric Attention-Deficit/Hyperactivity Disorder**
Frank P. MacMaster, Normand Carrey, Sandra Sparkes, and Vivek Kusumakar

188 **Mirtazapine vs Placebo in Posttraumatic Stress Disorder: A Pilot Trial**
Jonathan R.T. Davidson, Richard H. Weisler, Marian I. Butterfield, Charles D. Casat, Kathryn M. Connor, Stewart Barnett, and Susan van Meter

ABSTRACTS ON THE INTERNET

192 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 3, February 1, 2003

REVIEW

193 **Is There a Role for 5-HT_{1A} Agonists in the Treatment of Depression?**
Pierre Blier and Nick M. Ward

ORIGINAL ARTICLES

204 **Recall of Emotional States in Posttraumatic Stress Disorder: An fMRI Investigation**
Ruth A. Lanius, Peter C. Williamson, James Hopper, Maria Densmore, Kristine Boksman, Madhulika A. Gupta, Richard W.J. Neufeld, Joseph S. Gati, and Ravi S. Menon

211 **Activation of the Medial Prefrontal Cortex and Extended Amygdala by Individual Ratings of Emotional Arousal: An fMRI Study**
K. Luan Phan, Stephan F. Taylor, Robert C. Welsh, Laura R. Decker, Douglas C. Noll, Thomas E. Nichols, Jennifer C. Britton, and Israel Liberzon

216 **Temporal Instability of Auditory and Visual Event-Related Potentials in Posttraumatic Stress Disorder**
Thomas C. Neylan, Paul A. Jasiukaitis, Maryann Lenoci, James C. Scott, Thomas J. Metzler, Daniel S. Weiss, Frank B. Schoenfeld, and Charles R. Marmar

226 **Task Instructions Modulate Neural Responses to Fearful Facial Expressions**
Kezia Lange, Leanne M. Williams, Andrew W. Young, Edward T. Bullmore, Michael J. Brammer, Steven C.R. Williams, Jeffrey A. Gray, and Mary L. Phillips

233 **Improvement in Learning Associated with Increase in Hippocampal Formation Volume**
Monica N. Starkman, Bruno Giordani, Stephen S. Gebarski, and David E. Schteingart

239 **Additional, Physically Ordered Markers Increase Linkage Signal for Bipolar Disorder on Chromosome 18q22**
Thomas G. Schulze, Yu-Sheng Chen, Judith A. Badner, Melvin G. McInnis, J. Raymond DePaulo, Jr., and Francis J. McMahon

244 **Auditory Sensory Gating in Hippocampus and Reticular Thalamic Neurons in Anesthetized Rats**
Michael Krause, William P. Hoffmann, and Mihály Hajós

254 **Alzheimer's Disease and Total Plasma Aminothiols**
Andrew McCaddon, Peter Hudson, Diane Hill, Joan Barber, Alwyn Lloyd, Gareth Davies, and Björn Regland

BRIEF REPORT

261 **Effectiveness of Chromium in Atypical Depression: A Placebo-Controlled Trial**
Jonathan R.T. Davidson, Kurian Abraham, Kathryn M. Connor, and Malcolm N. McLeod

CORRESPONDENCE

265 **Atypical Antipsychotic Drugs Improve Cognition in Schizophrenia**
Herbert Y. Meltzer and Tomiki Sumiyoshi

268 **Comment on "Preclinical Models: Status of Basic Research in Depression"**
David H. Overstreet, Lynette C. Daws, Gal Yadid, Elliot Friedman, Aleksander A. Mathé, and David S. Janowsky

ABSTRACTS ON THE INTERNET

271 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry,* are available on our website now . . .**

Volume 53, Number 4, February 15, 2003

ORIGINAL ARTICLES

275 **Induction of c-Fos Expression in Specific Areas of the Fear Circuitry in Rat Forebrain by Anxiogenic Drugs**
Nicolas Singewald, Peter Salchner, and Trevor Sharp

284 **Heritability of Fearful-Anxious Endophenotypes in Infant Rhesus Macaques: A Preliminary Report**
Douglas E. Williamson, Kris Coleman, Silviu-Alin Bacanu, Bernie J. Devlin, Jeffrey Rogers, Neal D. Ryan, and Judy L. Cameron

292 **Impact of Chronic Intermittent Challenges in Stressor-Susceptible and Resilient Strains of Mice**
Beth Tannenbaum and Hymie Anisman

304 **Evidence for Disturbed Cortical Signal Processing and Altered Serotonergic Neurotransmission in Generalized Anxiety Disorder**
Daniel Senkowski, Michael Linden, Doris Zubrägel, Thomas Bär, and Jürgen Gallinat

315 **Elevated Agonist Binding to α_2-Adrenoceptors in the Locus Coeruleus in Major Depression**
Gregory A. Ordway, Jane Schenk, Craig A. Stockmeier, Warren May, and Violetta Klimek

324 **A Randomized Controlled Comparison of Electroconvulsive Therapy and Repetitive Transcranial Magnetic Stimulation in Severe and Resistant Nonpsychotic Major Depression**
Leon Grunhaus, Shaul Schreiber, Ornah T. Dolberg, Dana Polak, and Pinhas N. Dannon

332 **Effects of Tryptophan Depletion and Catecholamine Depletion on Immune Parameters in Patients with Seasonal Affective Disorder in Remission with Light Therapy**
Jürgen Stastny, Anastasios Konstantinidis, Markus J. Schwarz, Norman E. Rosenthal, Oliver Vitouch, Siegfried Kasper, and Alexander Neumeister

338 **Larger Amygdala Volumes in First Depressive Episode as Compared to Recurrent Major Depression and Healthy Control Subjects**
Thomas Frodl, Eva Maria Meisenzahl, Thomas Zetzsche, Christine Born, Markus Jäger, Constanze Groll, Ronald Bottlender, Gerda Leinsinger, and Hans-Jürgen Möller

345 **Involvement of NMDA Receptors in Alcohol-Mediated Behavior: Mice with Reduced Affinity of the NMDA R1 Glycine Binding Site Display an Attentuated Sensitivity to Ethanol**
Falk Kiefer, Holger Jahn, Anja Koester, Alexandra Montkowski, Rainer K. Reinscheid, and Klaus Wiedemann

352 **Valproate Attenuates Hyperactive and Perseverative Behaviors in Mutant Mice with a Dysregulated Dopamine System**
Rebecca J. Ralph-Williams, Martin P. Paulus, Xiaoxi Zhuang, Rene Hen, and Mark A. Geyer

ABSTRACTS ON THE INTERNET

360 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 5, March 1, 2003

PRIORITY COMMUNICATION

361 **Studies Characterizing 60 kDa Autoantibodies in Subjects with Schizophrenia**
Xiao-Fen Wang, Dunrui Wang, Weiguo Zhu, Katia K. Delrahim, Douglas Dolnak, and Mark Hyman Rapaport

ORIGINAL ARTICLES

376 **Working Memory and Prefrontal Cortex Dysfunction: Specificity to Schizophrenia Compared with Major Depression**
Deanna M. Barch, Yvette I. Sheline, John G. Csernansky, and Abraham Z. Snyder

385 **Effects of a Mediodorsal Thalamus Lesion on Prefrontal Inhibitory Circuitry: Implications for Schizophrenia**
David W. Volk and David A. Lewis

390 **Single-Cue Delay and Trace Classical Conditioning in Schizophrenia**
Stefano Marenco, Daniel R. Weinberger, and Bernard G. Schreurs

403 **Physiologic Impairment of Olfactory Stimulus Processing in Schizophrenia**
Bruce I. Turetsky, Paul J. Moberg, Kiana Owzar, Sarah C. Johnson, Richard L. Doty, and Raquel E. Gur

412 **Dysregulated Brain Development in Adult Men with Schizophrenia: A Magnetic Resonance Imaging Study**
George Bartzokis, Keith H. Nuechterlein, Po H. Lu, Michael Gitlin, Steven Rogers, and Jim Mintz

422 **The Relationship of Neuropsychological Abilities to Specific Domains of Functional Capacity in Older Schizophrenia Patients**
Jovier D. Evans, Robert K. Heaton, Jane S. Paulsen, Barton W. Palmer, Thomas Patterson, and Dilip V. Jeste

431 **Smoking, Gender, and Dietary Influences on Erythrocyte Essential Fatty Acid Composition among Patients with Schizophrenia or Schizoaffective Disorder**
Joseph R. Hibbeln, Kevin K. Makino, Catherine E. Martin, Faith Dickerson, John Boronow, and Wayne S. Fenton

442 **Selective Regulation of Presynaptic Calcium/Calmodulin-Dependent Protein Kinase II by Psychotropic Drugs**
Elisa Celano, Ettore Tiraboschi, Elena Consogno, Giordano D'Urso, Marie Paul Mbakop, Massimo Gennarelli, Andrea de Bartolomeis, Giorgio Racagni, and Maurizio Popoli

450 **Reversed Cerebellar Asymmetry in Men with First-Episode Schizophrenia**
Philip R. Szeszko, Faith Gunning-Dixon, Manzar Ashtari, Peter J. Snyder, Jeffrey A. Lieberman, and Robert M. Bilder

ABSTRACTS ON THE INTERNET

460 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 6, March 15, 2003

A.E. BENNETT RESEARCH AWARD

463 **The Relevance of Differential Response to Trauma in an Animal Model of Posttraumatic Stress Disorder**
Hagit Cohen, Joseph Zohar, and Michael Matar

ORIGINAL ARTICLES

474 **Cerebral Function in Posttraumatic Stress Disorder during Verbal Working Memory Updating: A Positron Emission Tomography Study**
C. Richard Clark, Alexander C. McFarlane, Philip Morris, Darren L. Weber, Cynon Sonkkilla, Marnie Shaw, Jackie Marcina, H.J. Tochon-Danguy, and Gary F. Egan

482 **Neural Correlates of Anxiety Associated with Obsessive-Compulsive Symptom Dimensions in Normal Volunteers**
David Mataix-Cols, Sarah Cullen, Kezia Lange, Fernando Zelaya, Christopher Andrew, Edson Amaro, Michael J. Brammer, Steven C.R. Williams, Anne Speckens, and Mary L. Phillips

494 **Neocortical Modulation of the Amygdala Response to Fearful Stimuli**
Ahmad R. Hariri, Venkata S. Mattay, Alessandro Tessitore, Francesco Fera, and Daniel R. Weinberger

502 **Neural Circuitry Underlying Voluntary Suppression of Sadness**
Johanne Lévesque, Fanny Eugène, Yves Joanette, Vincent Paquette, Boualem Mensour, Gilles Beaudoin, Jean-Maxime Leroux, Pierre Bourgouin, and Mario Beauregard

511 **Neuronal Substrates of Sensory Gating within the Human Brain**
Thomas Grunwald, Nashaat N. Boutros, Nico Pezer, Joachim von Oertzen, Guillen Fernández, Carlo Schaller, and Christian E. Elger

520 **Congenitally Learned Helpless Rats Show Abnormalities in Intracellular Signaling**
Ruth Kohen, John F. Neumaier, Mark W. Hamblin, and Emmeline Edwards

530 **Regulation of GAP-43 Expression by Chronic Desipramine Treatment in Rat Cultured Hippocampal Cells**
Biao Chen, Jun-Feng Wang, Xiujun Sun, and L. Trevor Young

538 **Substance P Serum Levels Are Increased in Major Depression: Preliminary Results**
Brigitta Bondy, Thomas C. Baghai, Christo Minov, Cornelius Schüle, Markus J. Schwarz, Peter Zwanzger, Rainer Rupprecht, and Hans-Jürgen Möller

543 **Phenylalanine Hydroxylase Gene in Psychiatric Patients: Screening and Functional Assay of Mutations**
Mary Ann Richardson, Laura L. Read, James D. Clelland, Helen M. Chao, Margaret A. Reilly, Anne Romstad, and Raymond F. Suckow

ABSTRACTS ON THE INTERNET

554 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 7, April 1, 2003

ORIGINAL ARTICLES

555 **Developmental Abnormalities of the Hippocampus in First-Episode Schizophrenia**
Geoffrey N. Smith, Donna J. Lang, Lili C. Kopala, Jocelyne S. Lapointe, Peter Falkai, and William G. Honer

562 **Hippocampal Volume in Familial and Nonfamilial Schizophrenic Probands and Their Unaffected Relatives**
Katja Schulze, Colm McDonald, Sophia Frangou, Pak Sham, Anton Grech, Timothea Toulopoulou, Muriel Walshe, Tonmoy Sharma, Thordur Sigmundsson, Mark Taylor, and Robin M. Murray

571 **The Human Dihydropyrimidinase-Related Protein 2 Gene on Chromosome 8p21 Is Associated with Paranoid-Type Schizophrenia**
Kenji Nakata, Hiroshi Ujike, Ayuma Sakai, Manabu Takaki, Takaki Imamura, Yuji Tanaka, and Shigetoshi Kuroda

577 **Association between a Promoter Dopamine D_2 Receptor Gene Variant and the Personality Trait Detachment**
Erik G. Jönsson, Sven Cichon, J. Petter Gustavsson, Frank Grünhage, Kaj Forslund, Marja Mattila-Evenden, Gunnar Rylander, Marie Åsberg, Lars Farde, Peter Propping, and Markus M. Nöthen

585 **Cannabis-Sensitive Dopaminergic Markers in Postmortem Central Nervous System: Changes in Schizophrenia**
Brian Dean, Robyn Bradbury, and David Leon Copolov

593 **Perigenual Cingulate Gyrus Volume in Patients with Schizophrenia: A Magnetic Resonance Imaging Study**
Tsutomu Takahashi, Michio Suzuki, Yasuhiro Kawasaki, Hirofumi Hagino, Ikiko Yamashita, Shigeru Nohara, Kazue Nakamura, Hikaru Seto, and Masayoshi Kurachi

601 **Functional Effects of Antipsychotic Drugs: Comparing Clozapine with Haloperidol**
Adrienne C. Lahti, Henry H. Holcomb, Martin A. Weiler, Deborah R. Medoff, and Carol A. Tamminga

609 **Attentional and Executive Dysfunctions in Schizophrenia and Depression: Evidence from Dichotic Listening Performance**
Kenneth Hugdahl, Bjørn Rishovd Rund, Anders Lund, Arve Asbjørnsen, Jens Egeland, Nils Inge Landrø, Alte Roness, Kirsten I. Stordal, and Kjetil Sundet

BRIEF REPORTS

617 **Association between the G1001C Polymorphism in the *GRIN1* Gene Promoter Region and Schizophrenia**
Silvia Begni, Stefania Moraschi, Stefano Bignotti, Fabio Fumagalli, Luciana Rillosi, Jorge Perez, and Massimo Gennarelli

620 **Choline Rise in the Rat Hippocampus Induced by Electroconvulsive Shock Treatment**
Alexander Sartorius, Claudia Neumann-Haefelin, Barbara Vollmayr, Mathias Hoehn, and Fritz A. Henn

624 **Spatial Working Memory as an Endophenotype for Schizophrenia**
David C. Glahn, Sebastian Therman, Marko Manninen, Matti Huttunen, Joakko Kaprio, Jouko Lönnqvist, and Tyrone D. Cannon

CASE REPORT

627 **Abnormal Cerebral Asymmetry and Schizophrenia in a Subject with Klinefelter's Syndrome (XXY)**
Michael M. Warwick, Stephen M. Lawrie, Allan Beveridge, and Eve C. Johnstone

ABSTRACTS ON THE INTERNET

630 **Abstracts for the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

632 **Erratum**

Volume 53, Number 8, April 15, 2003

EDITORIAL

633 **"Difficult-to-Treat Depression"**
David J. Kupfer and Dennis S. Charney

COMMENTARY

635 **Treatment Resistant Depression: The Patient Perspective**
Lydia Lewis and Laura Hoofnagle

DIFFICULT-TO-TREAT DEPRESSION

640 **Is Treatment-Resistant Depression a Unique Subtype of Depression?**
Andrea Fagiolini and David J. Kupfer

649 **Diagnosis and Definition of Treatment Resistant Depression**
Maurizio Fava

660 **Difficult-to-Treat Depression: The Role of Contexts and Comorbidities**
Nancy K. Grote and Ellen Frank

671 **Advances in the Pharmacological Treatment of Bipolar Depression**
Paul E. Keck, Jr., Erik B. Nelson, and Susan L. McElroy

680 **Challenges in the Treatment of Depression with Psychotic Features**
Anthony J. Rothschild

691 **Acceleration and Augmentation Strategies for Treating Bipolar Depression**
Lori L. Altshuler, Mark A. Frye, and Michael J. Gitlin

701 **Comorbidity and Depression Treatment**
K. Ranga Rama Krishnan

707 **Enhancing Neuronal Plasticity and Cellular Resilience to Develop Novel, Improved Therapeutics for Difficult-to-Treat Depression**
Husseini K. Manji, Jorge A. Quiróz, Jonathan Sporn, Jennifer L. Payne, Kirk D. Denicoff, Neil A. Gray, Guang Chen, Carlos A. Zarate, and Dennis S. Charney

743 **Research Issues in the Study of Difficult-to-Treat Depression**
A. John Rush, Michael E. Thase, and Sanjay Dubé

754 **Assessing and Interpreting Treatment Effects in Longitudinal Clinical Trials with Missing Data**
Craig H. Mallinckrodt, Todd M. Sanger, Sanjay Dubé, David J. DeBrota, Geert Molenberghs, Raymond J. Carroll, William Z. Potter, and Gary D. Tollefson

ON THE INTERNET

761 **Full text or abstracts of the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 9, May 1, 2003

EDITORIAL

765 **Toward Evidence-Based Early Interventions for Acutely Traumatized Adults and Children**
Matthew J. Friedman, Edna B. Foa, and Dennis S. Charney

ORIGINAL ARTICLE

769 **Severity, Timing, and Duration of Reactions to Trauma in the Population: An Example from Mexico**
Fran H. Norris, Arthur D. Murphy, Charlene K. Baker, and Julia L. Perilla

ACUTE RESPONSES TO STRESS

779 **Psychological Mechanisms in Acute Response to Trauma**
Richard J. McNally

789 **Early Predictors of Posttraumatic Stress Disorder**
Richard A. Bryant

796 **Developmental Psychobiology and Response to Threats: Relevance to Trauma in Children and Adolescents**
Daniel S. Pine

809 **Acute Stress Disorder in Youth: A Multivariate Prediction Model**
John S. March

817 **Early Psychological Interventions for Adult Survivors of Trauma: A Review**
Anke Ehlers and David M. Clark

827 **Treating Acute Posttraumatic Reactions in Children and Adolescents**
Judith A. Cohen

834 **Toward Early Pharmacological Posttraumatic Stress Intervention**
Charles A. Morgan III, John H. Krystal, and Steven M. Southwick

ON THE INTERNET

844 **Full text or abstracts of the following articles, which are currently "in press" in *Biological Psychiatry,* are available on our website now . . .**

Volume 53, Number 10, May 15, 2003

NEUROSCIENCE PERSPECTIVES

847 **Modern Proteomic Strategies in the Study of Complex Neuropsychiatric Disorders**
Christian Rohlff and Kate Hollis

ORIGINAL ARTICLES

854 **Differential Amygdalar Response to Novel versus Newly Familiar Neutral Faces: A Functional MRI Probe Developed for Studying Inhibited Temperament**
Carl E. Schwartz, Christopher I. Wright, Lisa M. Shin, Jerome Kagan, Paul J. Whalen, Katherine G. McMullin, and Scott L. Rauch

863 **Rodent Doxapram Model of Panic: Behavioral Effects and c-Fos Immunoreactivity in the Amygdala**
Gregory M. Sullivan, John Apergis, Jack M. Gorman, and Joseph E. LeDoux

871 **Differential Patterns of Striatal Activation in Young Children with and without ADHD**
Sarah Durston, Nim T. Tottenham, Kathleen M. Thomas, Matthew C. Davidson, Inge-Marie Eigsti, Yihong Yang, Aziz M. Ulug, and B.J. Casey

879 **Neural Correlates of Declarative Memory for Emotionally Valenced Words in Women with Posttraumatic Stress Disorder Related to Early Childhood Sexual Abuse**
J. Douglas Bremner, Meena Vythilingam, Eric Vermetten, Steven M. Southwick, Thomas McGlashan, Lawrence H. Staib, Robert Soufer, and Dennis S. Charney

890 **The Efficacy of Reboxetine in Preventing and Reverting a Condition of Escape Deficit in Rats**
Silvia Grappi, Giulio Nanni, Benedetta Leggio, Riccardo Rauggi, Simona Scheggi, Flavio Masi, and Carla Gambarana

899 **Thyroid Hypofunction in Patients with Rapid-Cycling Bipolar Disorder after Lithium Challenge**
Laszlo Gyulai, Michael Bauer, Mark S. Bauer, Felipe García-España, Avital Cnaan, and Peter C. Whybrow

906 **Neuronal Pathology in the Hippocampal Area of Patients with Bipolar Disorder: A Study with Proton Magnetic Resonance Spectroscopic Imaging**
Alessandro Bertolino, Mark Frye, Joseph H. Callicott, Venkata S. Mattay, Rebecca Rakow, Jennifer Shelton-Repella, Robert Post, and Daniel R. Weinberger

914 **The Identification of OCD-Related Subgroups Based on Comorbidity**
Gerald Nestadt, Anjene Addington, Jack Samuels, Kung-Yee Liang, O. Joseph Bienvenu, Mark Riddle, Marco Grados, Rudolf Hoehn-Saric, and Bernadette Cullen

921 **Neurocognitive Functioning in Subjects with Eating Disorders: The Influence of Neuroactive Steroids**
Silvana Galderisi, Armida Mucci, Palmiero Monteleone, Daniela Sorrentino, Giuseppe Piegari, and Mario Maj

ON THE INTERNET

928 **Full text or abstracts of the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

Volume 53, Number 11, June 1, 2003

EDITORIAL

931 **Pediatric Bipolar Disorder Coming of Age**
Joseph Biederman

COMMENTARY

935 **Pediatric Bipolar Disorder: The Parent Advocacy Perspective**
Martha Hellander

PEDIATRIC BIPOLAR DISORDER

938 **Convergence between Structured Diagnostic Interviews and Clinical Assessment on the Diagnosis of Pediatric-Onset Mania**
Janet Wozniak, Michael Monuteaux, Jennifer Richards, Kathryn E. Lail, Stephen V. Faraone, and Joseph Biederman

945 **Bipolar Offspring: A Window into Bipolar Disorder Evolution**
Kiki Chang, Hans Steiner, Kimberly Dienes, Nancy Adleman, and Terence Ketter

952 **Can a Subtype of Conduct Disorder Linked to Bipolar Disorder Be Identified? Integration of Findings from the Massachusetts General Hospital Pediatric Psychopharmacology Research Program**
Joseph Biederman, Eric Mick, Janet Wozniak, Michael C. Monuteaux, Maribel Galdo, and Stephen V. Faraone

961 **Is Preadolescent Mania the Same Condition as Adult Mania? A British Perspective**
Richard Harrington and Tessa Myatt

970 **The Genetics of Pediatric-Onset Bipolar Disorder**
Stephen V. Faraone, Stephen J. Glatt, and Ming T. Tsuang

978 **Combination Pharmacotherapy in Children and Adolescents with Bipolar Disorder**
Robert A. Kowatch, Gopalan Sethuraman, Judith H. Hume, Michelle Kromelis, and Warren A. Weinberg

985 **Behavioral Inhibition and Disinhibition as Hypothesized Precursors to Psychopathology: Implications for Pediatric Bipolar Disorder**
Dina R. Hirshfeld-Becker, Joseph Biederman, Sara Calltharp, Eliza D. Rosenbaum, Stephen V. Faraone, and Jerrold F. Rosenbaum

1000 **Family Psychoeducation: An Adjunctive Intervention for Children with Bipolar Disorder**
Mary A. Fristad, Stephen M. Gavazzi, and Barbara Mackinaw-Koons

1009 **Researching the Pathophysiology of Pediatric Bipolar Disorder**
Ellen Leibenluft, Dennis S. Charney, and Daniel S. Pine

1021 **A Preliminary Meta-Analysis of the Child Behavior Checklist in Pediatric Bipolar Disorder**
Eric Mick, Joseph Biederman, Gahan Pandina, and Stephen V. Faraone

1028 **Rationale, Design, and Methods of the Systematic Treatment Enhancement Program for Bipolar Disorder (STEP-BD)**
Gary S. Sachs, Michael E. Thase, Michael W. Otto, Mark Bauer, David Miklowitz, Stephen R. Wisniewski, Philip Lavori, Barry Lebowitz, Mathew Rudorfer, Ellen Frank, Andrew A. Nierenberg, Maurizio Fava, Charles Bowden, Terence Ketter, Lauren Marangell, Joseph Calabrese, David Kupfer, and Jerrold F. Rosenbaum

1043 **Juvenile Bipolar Disorder in Brazil: Clinical and Treatment Findings**
Silzá Tramontina, Marcelo Schmitz, Guilherme Polanczyk, and Luis A. Rohde

1050 **Clinical Implications of Pervasive Manic Symptoms in Children**
Gabrielle A. Carlson and Eric A. Youngstrom

ORIGINAL ARTICLE

1059 **Decreased N-Acetylaspartate in Children with Familial Bipolar Disorder**
Kiki Chang, Nancy Adleman, Kimberly Dienes, Naama Barnea-Goraly, Allan Reiss, and Terence Ketter

ON THE INTERNET

1066 **Full text or abstracts of the following articles, which are currently "in press" in *Biological Psychiatry,* are available on our website now . . .**

1068 **Errata**

Volume 53, Number 12, June 15, 2003

NEUROSCIENCE PERSPECTIVES

1069 **Genome Scale Mapping of Brain Gene Expression**
Ram P. Singh and Desmond J. Smith

ORIGINAL ARTICLES

1075 **Loss and Altered Spatial Distribution of Oligodendrocytes in the Superior Frontal Gyrus in Schizophrenia**
Patrick R. Hof, Vahram Haroutunian, Victor L. Friedrich, Jr., William Byne, Cristian Buitron, Daniel P. Perl, and Kenneth L. Davis

1086 **Two-Dimensional Assessment of Cytoarchitecture in the Anterior Cingulate Cortex in Major Depressive Disorder, Bipolar Disorder, and Schizophrenia: Evidence for Decreased Neuronal Somal Size and Increased Neuronal Density**
Gursharan Chana, Sabine Landau, Clare Beasley, Ian P. Everall, and David Cotter

1099 **Right Lateral Fusiform Gyrus Dysfunction during Facial Information Processing in Schizophrenia**
Javier Quintana, Tiffany Wong, Elena Ortiz-Portillo, Stephen R. Marder, and John C. Mazziotta

1113 **Visual Masking as a Probe for Abnormal Gamma Range Activity in Schizophrenia**
Michael Foster Green, Jim Mintz, Dustin Salveson, Keith H. Nuechterlein, Bruno Breitmeyer, Gregory A. Light, and David L. Braff

1120 **How Specific Are Deficits in Mismatch Negativity Generation to Schizophrenia?**
Daniel Umbricht, René Koller, Liselotte Schmid, Anja Skrabo, Claudia Grübel, Theo Huber, and Hans Stassen

1132 **Elevated Cerebrospinal fluid SNAP-25 in Schizophrenia**
Peter M. Thompson, Mary Kelley, Jeffrey Yao, Guochuan Tsai, and Daniel P. van Kammen

BRIEF REPORTS

1138 **N-Acetylaspartate and N-Acetylaspartylglutamate Deficits in Superior Temporal Cortex in Schizophrenia and Bipolar Disorder: A Postmortem Study**
Sutisa Nudmamud, Lindsay M. Reynolds, and Gavin P. Reynolds

1142 **Incidence of Tardive Dyskinesia with Typical Versus Atypical Antipsychotics in Very High Risk Patients**
Christian R. Dolder and Dilip V. Jeste

ON THE INTERNET

1146 **Full text or abstracts of the following articles, which are currently "in press" in *Biological Psychiatry*, are available on our website now . . .**

1148 **Erratum**

1149 **Acknowledgments**

1155 **Author Index**

1163 **Subject Index**